## DT07 Rec'd PCT/PTO 0 9 MAR 2005

| Substitu   | rte for       | U.S. DEPARTMENT OF COMM  | ERCE PATENT AND TRADEMARK OFFICE              | ATTORNEY'S DOCKET NUMBER                  |  |  |  |  |  |  |  |  |  |
|--|---------------|--|---|---|--|--|--|--|--|--|--|--|--|
|  |               | TRANSMITTAL LETTER T   |   | 034296-025                                |  |  |  |  |  |  |  |  |  |
|  |               | DESIGNATED/ELECTED C<br>CONCERNING A FILING U  |   | U.S. APPRICATION NO. (1600) 1937 CFR 1.5) |  |  |  |  |  |  |  |  |  |
| INTE   | RNA           | ATIONAL APPLICATION NO.  | INTERNATIONAL FILING DATE                     | PRIORITY DATE CLAIMED                     |  |  |  |  |  |  |  |  |  |
|  |               | PCT/FR2003/002673  | 09 September 2003                             | 10 September 2002                         |  |  |  |  |  |  |  |  |  |
| TITLE  | E OF          | FINVENTION   |   |   |  |  |  |  |  |  |  |  |  |
| PROCESS FOR THE PRODUCTION OF ACRYLIC ACID FROM PROPANE  |               |  |   |   |  |  |  |  |  |  |  |  |  |
| APPLICANT(S) FOR DO/EO/US  |               |  |   |   |  |  |  |  |  |  |  |  |  |
| Jean-Luc Dubois, Fabienne Desdevises, Stephanie Serreau, Damien Vitry, Wataru Ueda   |               |  |   |   |  |  |  |  |  |  |  |  |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  1. X This is a FIRST submission to items concerning a filing under 35 U.S.C. 371. |               |  |   |   |  |  |  |  |  |  |  |  |  |
| _  | _             | This is a FIRST submission to items concerning a filing under 35 U.S.C. 371.  This is a SECOND or SUBSECUENT submission of items concerning a filing under 35 U.S.C. 371.  |   |   |  |  |  |  |  |  |  |  |  |
| 2.   |               | This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.  This is an express request to begin actional examination procedures (35 U.S.C. 371(0)). The submission must include items (5) |   |   |  |  |  |  |  |  |  |  |  |
|  | _             | This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (22) indicated below.  |   |   |  |  |  |  |  |  |  |  |  |
| i  | _             | The US has been elected by the expiration of 19 months from the priority date (Article 31).  |   |   |  |  |  |  |  |  |  |  |  |
| 5.   | ×             | A copy of the International Application as filed (35 U.S.C. 371(c)(2))   |   |   |  |  |  |  |  |  |  |  |  |
|  |               | a. 🔀 is attached hereto (required only if not communicated by the International Bureau).   |   |   |  |  |  |  |  |  |  |  |  |
|  |               | b. has been communicated by the International Bureau.  |   |   |  |  |  |  |  |  |  |  |  |
|  |               | c.  is not required, as the applic   | ation was filed in the United States Receivin | g Office (RO/US).                         |  |  |  |  |  |  |  |  |  |
| 6.   | X             | An English language translation of the International Application as filed (35 U.S.C. 371(c)(2))  |   |   |  |  |  |  |  |  |  |  |  |
|  |               | a. X is attached hereto.   |   |   |  |  |  |  |  |  |  |  |  |
|  |               | b.  has been previously submitted  | ed under 35 U.S.C. 154(d)(4).                 |   |  |  |  |  |  |  |  |  |  |
| 7.   | X             | Amendments to the claims of the Inte   | ernational Application under PCT Article 19   | (35 U.S.C. 371(c)(3))                     |  |  |  |  |  |  |  |  |  |
|  |               | a.  are attached hereto (require   | d only if not communicated by the Internatio  | nal Bureau).                              |  |  |  |  |  |  |  |  |  |
|  |               | b.  have been communicated by  | y the International Bureau.                   |   |  |  |  |  |  |  |  |  |  |
|  |               | c. have not been made; however, the time limit for making such amendments has NOT expired.   |   |   |  |  |  |  |  |  |  |  |  |
|  |               | ,d. 🗶 have not been made and wil   | I not be made.                                |   |  |  |  |  |  |  |  |  |  |
| 8.   |               | An English language translation of the   | ne amendments to the claims under PCT Art     | icle 19 (35 U.S.C. 371(c)(3)).            |  |  |  |  |  |  |  |  |  |
| 9.   |               | An oath or declaration of the invento  | r(s) (35 U.S.C. 371(c)(4)).                   |   |  |  |  |  |  |  |  |  |  |
| 10.  |               | An English language translation of the PCT Article 36 (35 U.S.C. 371(c)(5))  | ne annexes of the International Preliminary E | examination Report under                  |  |  |  |  |  |  |  |  |  |
|  | iten          | ns 11 to 21 below concern docume   | nt(s) or information included:                |   |  |  |  |  |  |  |  |  |  |
| 11.  | П             | An Information Disclosure Statemen   | • •   |   |  |  |  |  |  |  |  |  |  |
| 12.  | $\overline{}$ |  | ng. A separate cover sheet in compliance v    | with 37 CFR 3.28 and 3.31 is included.    |  |  |  |  |  |  |  |  |  |
|  | ᄗ             | A FIRST preliminary amendment.   |   | ,   |  |  |  |  |  |  |  |  |  |
| 14.  | _             | A SECOND or SUBSEQUENT prelir  | ninan, amendment                              |   |  |  |  |  |  |  |  |  |  |
|  |               | A substitute specification.  | mary amendment.                               |   |  |  |  |  |  |  |  |  |  |
|  | _             | · · · · · · · · · · · · · · · · · · ·  |   |   |  |  |  |  |  |  |  |  |  |
| 16.  | _             | A change of power of a forney and/o  |   |   |  |  |  |  |  |  |  |  |  |
| 17.  | Ц             | A computer-readable form of the sec  | quence listing in accordance with PCT Rule    | 13ter.2 and 37 C.F.R. 1.821 - 1.825.      |  |  |  |  |  |  |  |  |  |
| 18.  |               | A second copy of the published inter   | rnational application under 35 U.S.C. 154(d)  | (4).                                      |  |  |  |  |  |  |  |  |  |
| 19.  | ×             | A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).  |   |   |  |  |  |  |  |  |  |  |  |
| 20.  | X             | Other items or information: <u>Interna</u>   | itional Search Report. PCT/IB/306             |   |  |  |  |  |  |  |  |  |  |
|  |               |  |   |   |  |  |  |  |  |  |  |  |  |
|  |               |  |   |   |  |  |  |  |  |  |  |  |  |
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| U.S | S. API  | PLIDATION   | LLOATRON NO. ATKNOWN   |             | 37 C(B) 1.5)      | ) INTERNATIONAL APPLICATION NO. ATTOR |                      | ATTORN           | NEY'S DOCKET NUMBER |                         |              |
|-----|---|---|------------------------|-------------|-------------------|---------------------------------------|----------------------|------------------|---------------------|-------------------------|--------------|
| •   |   | -1012C0   |                        | <b>O</b> // | PCT/FR2003/002673 |                                       | <u> </u>             | 034296-025       |                     |                         |              |
| 21. | ×   | Applicant(s) requests that the published application include the following assignment information: _ARKEMA, Puteaux, France |                        |             |                   |                                       |                      |                  | CALCULATIONS        | PTO USE ONLY            |              |
| 22. |   |   |                        |             |                   |                                       |                      |                  |                     |                         |              |
|     |   |   |                        |             |                   |                                       |                      |                  |                     |                         |              |
|     |   | The following fees are submitted:   |                        |             |                   |                                       |                      |                  |                     |                         |              |
|     | ×   |   |                        |             |                   |                                       |                      |                  |                     |                         |              |
|     | Basic Filing Fee (1631)   |   |                        |             |                   |                                       |                      |                  | \$ 300.00           |                         |              |
|     | Surcharge of \$130.00 (1617) for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).  |   |                        |             |                   |                                       |                      |                  |                     |                         |              |
|     | CLAIMS  |   |                        |             | NUMBER FILED      |                                       | NUMBER EXTRA         | RA               | TE                  | \$                      |              |
|     | Tota  | l Claims  |                        |             | 36                | -20 =                                 | 16                   | × \$50.00        | (1615)              | \$ 800.00               |              |
|     | Independent Claims  |   |                        |             | 3                 |                                       | - 3 = 0              |                  | 00 (1614)           | \$ 0.00                 |              |
|     | MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$  |   |                        |             |                   |                                       |                      |                  | 00 (1616)           |                         |              |
|     | Exar  | nination Fe   | €                      |             |                   |                                       |                      |                  | 00 (1633)           | \$ 200.00               |              |
|     | Sear  | ch Fee  |                        |             |                   |                                       |                      | <b>+</b> \$500.0 | 00 (1632)           | \$ 500.00               |              |
|     | App.  | Size Fee (a   | add \$250.00           | ) for ea    | ch add'           | l 50 sheets                           | exceeding 100 sheets | 5)               |                     |                         |              |
|     |   |   |                        |             |                   |                                       | TOTAL OF ABO         |                  | ATIONS =            | \$ 1,800.00             |              |
|     |   | Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.                         |                        |             |                   |                                       |                      |                  |                     | \$ 0.00                 |              |
|     | SUBTOTAL =  |   |                        |             |                   |                                       |                      |                  | \$ 1,800.00         |                         |              |
|     | Processing fee of \$130.00 (1618) for furnishing the English translation later than 20 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |   |                        |             |                   |                                       |                      |                  |                     | \$ 0.00                 |              |
|     | TOTAL NATIONAL FEE :  |   |                        |             |                   |                                       |                      |                  | IAL FEE =           | \$ 1,800.00             |              |
|     | Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 (8021) per property +                     |   |                        |             |                   |                                       |                      |                  |                     |                         |              |
|     | TOTAL FEES ENCLOSED   |   |                        |             |                   |                                       |                      | CLOSED =         |                     |                         |              |
|     |   | <u> </u>  |                        |             |                   |                                       |                      |                  |                     | Amount to be refunded : |              |
|     | а.  | X A check   | in the amo             | unt of      | \$ 1              | ,800.00                               | to cover the above f | ees is enclose   | ed.                 | charged :               |              |
|     | b.  | Please charge my Deposit Account No. <u>02-4800</u> in the amount of duplicate copy of this sheet is enclosed.              |                        |             |                   |                                       |                      |                  |                     |                         | e fees. A    |
|     | c. X The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment Deposit Account No. 02-4800 . A duplicate copy of this sheet is enclosed. |   |                        |             |                   |                                       |                      |                  |                     |                         | erpayment to |
|     | d. [  | ☐ Charge  |                        |             | to cre            | edit card. F                          | orm PTO-2038 is atta | ched.            |                     |                         |              |
|     | NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a per or (b)) must be filed and granted to restore the application to pending status.                           |   |                        |             |                   |                                       |                      |                  |                     | tition to revive (37    | CFR 1.137(a) |
|     |   |   |                        |             |                   |                                       |                      |                  |                     |                         |              |
|     | SEN   | ND ALL COI  | ALL CORRESPONDENCE TO: |             |                   |                                       |                      |                  | llean               | CROWEN                  |              |
|     | Burns, Doane, Swecker & Mathis, L.L.P.  P.O. Box 1404  Alexandria, Virginia 22313-1404  V   |   |                        |             |                   |                                       |                      |                  |                     |                         |              |
|     |   |   |                        |             |                   |                                       |                      |                  |                     | William C. Rowland      |              |
|     |   | 3) 836-66   |                        |             |                   |                                       | NAME                 |                  |                     |                         |              |
|     |   |   |                        |             |                   |                                       |                      |                  | 30.888              | Mar                     | ch 9, 2005   |
| l   |   |   |                        |             |                   |                                       |                      | DECIC            | TDATION             | NO                      | DATE         |